OWA
CHASING M2 PRO
Underwater Drone

The CHASING M2 is an IMCA Class 1 ROV designed for multiple industrial applications.

The OWA CHASING M2 system has;

- A 4k F1.8 FOV camera, equipped with 1/2.3 SONY CMOS and EIS anti video-shake feature, which improves the camera's low light performance and dynamic range greatly.

- Two 2000 Lumen LED Lights which illuminates the dimness of deep water and improves underwater visual distance and clarity,

- A 1.5kg Payload option which can include a Claw grabber attachment, GoPro camera, external LED or a Laser Scaler unit

- Omni movement in all directions, and has a powerful mount extension system to meet the needs of multiple scenarios.

The aluminum alloy compact body allows minimal personnel operation and is able to be quickly deployed and packed.

The M2 can be utilised for multiple roles such as:
- Diver support
- Scientific Exploration
- Search and Rescue
- Vessel and Rig Inspections
- Internal pipeline inspections where space is limited, eliminating the need for using divers in confined spaces.

The 8 Vectored Thrusters use a patented Anti-Stuck Motor system to greatly reduce the probability of failure from the motor getting stuck in the sand.

Providing Cost Effective Solutions

IMCA Member

CHASING M2 PRO

Max Depth

100m

Tether Length

200m
*Up to 400m available optionally   *Up to 512G optional

Video Resolution Up to

3840 x 2160 (UHD)

Drone

Size	480 x 267 x 165mm
Weight	=5.7kg
Max Depth	100m
Max Speed	2 m/s
Runtime	Up to 4 hours
Battery	300 Wh
Working Temperature	-10℃~45℃

Camera

CMOS	1/2. 3 inches
Lens	F1.8
Focus	1m
ISO Range	100-6400
Field of View	152°
Max Resolution	12 Meg pixel
Format	JEG/DNG
Video	UHG: 3800*2160 (4k) 30FPS
	FHD: 1920*1080 (1080P)
	30/60/120FPS
Slow Motion	720p: 4 x (120 fps)
	8 x (240 fps)
	1080p: 4x (120 fps)
Time Lapse	4K / 1080p supported
Video Bitrate	60 M
Video Format	MP4
SD Card	128G *Up to 512G optional

LED

Brightness	2 x 2000 Lumens
Color Temperature	5000 K - 5500 K
CRI	85
Dimming	3 gears (0% / 50% / 100%)

Remote Controller

Size	160 x 155 x 125mm
Weight	685 g
Battery	2500mAh
Runtime	> 6 hours (depending on the environment)
Wireless	WI-Fi supported
HDMI	Supported
Smartphone / Tablet	Maximum support 10 inch
TYPE-C	USB communication

Tether & Winder

200M *Up to 400m available optionally	2.5kg

Adapter

Adapter	2.9A / 25.2V (Fast charger: 8A/25.2V)
ROV Charging time	4.5 H (Fast charger: 2.5H)
Remote controller charging time	2 H

Sensor

IMC	3 axis gyro
	accelerometer
	compass
Depth Sensor	<+/- 0.25m
Temperature Sensor	<+/- 2℃